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applications.  
NEWS 16 APR 28 Improved searching of U.S. Patent Classifications for  
U.S. patent records in CA/CAPLUS  
NEWS 17 MAY 23 GBFULL enhanced with patent drawing images  
NEWS 18 MAY 23 REGISTRY has been enhanced with source information from  
CHEMCATS  
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NEWS 20 JUN 13 RUSSIAPAT: New full-text patent database on STN  
NEWS 21 JUN 13 FRFULL enhanced with patent drawing images  
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and text labels  
NEWS 23 JUL 01 MEDICONF removed from STN  
NEWS 24 JUL 07 STN Patent Forums to be held in July 2005  
NEWS 25 JUL 13 SCISEARCH reloaded  
NEWS 26 JUL 20 Powerful new interactive analysis and visualization software,  
STN AnaVist, now available  
  
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005  
  
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=> s Heer B?/au

L1 21 HEER B?/AU

=> s Tiedtke G?/au

L2 26 TIEDTKE G?/AU

=> s Hegarty B?/au

L3 116 HEGARTY B?/AU

=> s l3 and (triazine or pyrithione or microbicide or fungicide or algecide)

L4 11 L3 AND (TRIAZINE OR PYRITHIONE OR MICROBICIDE OR FUNGICIDE OR ALGECIDE)

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=> d 15 1-24 ibib abs total

L5 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2005:471696 CAPLUS  
DOCUMENT NUMBER: 143:12933  
TITLE: Formaldehyde releaser and process for treating aqueous systems  
INVENTOR(S): Felder, Patrick Thomas; Tiedtke, Gerhard  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005115910	A1	20050602	US 2004-936839	20040909
CA 2488015	AA	20050602	CA 2004-2488015	20041118
EP 1537782	A1	20050608	EP 2004-257217	20041120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
JP 2005163045	A2	20050623	JP 2004-348002	20041201
PRIORITY APPLN. INFO.:			US 2003-526229P	P 20031202

AB The invention is directed to a stable urea formaldehyde composition that, when combined with one or more biocides including isothiazolones, slowly releases low levels of formaldehyde with low to no odor.

L5 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2004:825132 CAPLUS  
DOCUMENT NUMBER: 141:320093  
TITLE: Microbicidal composition  
INVENTOR(S): Heer, Beat; Tiedtke, Gerhard; Hegarty, Bryan Martin  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198729	A1	20041007	US 2004-812040	20040329
JP 2004307482	A2	20041104	JP 2004-82174	20040322
BR 2004000788	A	20050628	BR 2004-788	20040326
EP 1468608	A2	20041020	EP 2004-251954	20040401
EP 1468608	A3	20041208		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1535582	A	20041013	CN 2004-10033348	20040402
PRIORITY APPLN. INFO.:			US 2003-460948P	P 20030407

OTHER SOURCE(S): MARPAT 141:320093  
AB A microbicidal composition containing: (a) at least one 2-alkyl-4-isothiazolin-3-one; (b) at least one halopropynyl carbamate; and (c) at least one sulfur-containing s-triazine.

L5 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 2004:825128 CAPLUS  
DOCUMENT NUMBER: 141:320092  
TITLE: Microbicidal composition

INVENTOR(S): **Heer, Beat**; Tiedtke, Gerhard; Hegarty, Bryan  
Martin  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198714	A1	20041007	US 2004-812127	20040329
JP 2004307483	A2	20041104	JP 2004-82195	20040322
BR 2004000786	A	20050628	BR 2004-786	20040326
EP 1468607	A2	20041020	EP 2004-251964	20040401
EP 1468607	A3	20041215		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

CN 1535583	A	20041013	CN 2004-10033349	20040402
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PRIORITY APPLN. INFO.: US 2003-460923P P 20030407

AB A microbicidal composition containing: (a) at least one sulfur-containing  
s-triazine;

and (b) at least one pyrrithione metal salt is disclosed.

L5 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2004:825127 CAPLUS

DOCUMENT NUMBER: 141:320091

TITLE: Microbicidal composition

INVENTOR(S): **Heer, Beat**; Tiedtke, Gerhard; Hegarty, Bryan  
Martin

PATENT ASSIGNEE(S): Switz.

SOURCE: U.S. Pat. Appl. Publ., 4 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198713	A1	20041007	US 2004-811518	20040329
JP 2004315507	A2	20041111	JP 2004-82164	20040322
BR 2004000787	A	20050628	BR 2004-787	20040326
EP 1466526	A2	20041013	EP 2004-251945	20040401
EP 1466526	A3	20041124		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

CN 1535581	A	20041013	CN 2004-10033347	20040402
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PRIORITY APPLN. INFO.: US 2003-460925P P 20030407

OTHER SOURCE(S): MARPAT 141:320091

AB A microbicidal composition containing (a) at least one sulfur-containing  
s-triazine,

(b) at least one pyrrithione metal salt, and (c) at least one addnl.  
microbicide selected from 2-alkyl-4-isothiazolin-3-ones and halopropynyl  
carbamates is disclosed.

L5 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 2004:794524 CAPLUS

DOCUMENT NUMBER: 141:282921

TITLE: Synergistic microbiocidal composition

INVENTOR(S): **Heer, Beat**; Tiedtke, Gerhard; Warwick,  
Eileen Fleck

PATENT ASSIGNEE(S): Rohm and Haas Company, USA

SOURCE: Eur. Pat. Appl., 21 pp.

! DOCUMENT TYPE: CODEN: EPXXDW  
LANGUAGE: Patent  
FAMILY ACC. NUM. COUNT: English  
PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1462003	A1	20040929	EP 2004-251466	20040315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004000354	A	20041228	BR 2004-354	20040315
ZA 2004002085	A	20040916	ZA 2004-2085	20040316
CN 1531848	A	20040929	CN 2004-10030080	20040318
US 2004198785	A1	20041007	US 2004-803237	20040318
JP 2004292449	A2	20041021	JP 2004-89001	20040325
PRIORITY APPLN. INFO.:			US 2003-458203P	P 20030326

AB A synergistic microbicidal composition contains: (a) at least one nonhalogenated 2-alkyl-4-isothiazolin-3-one selected from substituted and unsubstituted 2-(C1-C4)alkyl-4-isothiazolin-3-ones; and (b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone.

L5 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 2004:427579 CAPLUS  
DOCUMENT NUMBER: 140:401758  
TITLE: Stable aqueous dispersion of low-melting organic solid biocides  
INVENTOR(S): Engler, Ernst; Tiedtke, Gerhard  
PATENT ASSIGNEE(S): Rohm and Haas Company, USA  
SOURCE: Eur. Pat. Appl., 9 pp.  
CODEN: EPXXDW

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1421852	A1	20040526	EP 2003-256980	20031105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2004101539	A1	20040527	US 2003-702422	20031105
BR 2003005139	A	20040629	BR 2003-5139	20031114
CN 1502238	A	20040609	CN 2003-10118002	20031120
JP 2004175800	A2	20040624	JP 2003-391910	20031121
PRIORITY APPLN. INFO.:			US 2002-428414P	P 20021122
			US 2003-449894P	P 20030225

AB An aqueous composition comprising 5-30% of at least one organic biocide, such as a

isothiazolone derivative, having a m.p. 30-60° and water solubility at 25° of <0.5 %, at least one inorg. filler, at least one surfactant and ≤20% organic solvent. The composition is stable with regard to agglomeration and phase separation for ≥3 mo at room temperature

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 24 USPATFULL on STN DUPLICATE 7

ACCESSION NUMBER: 2004:255255 USPATFULL  
TITLE: Microbicidal composition  
INVENTOR(S): Heer, Beat, Grabs, SWITZERLAND  
Tiedtke, Gerhard, Gams, SWITZERLAND  
Warwick, Eileen Fleck, Lansdale, PA, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2004198785 A1 20041007  
APPLICATION INFO.: US 2004-803237 A1 20040318 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-458203P	20030326 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kenneth Crimaldi, Rohm and Haas Company, 100 Independence Mall West, Philadelphia, PA, 19106	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	675	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A microbicidal composition containing: (a) at least one non-halogenated 2-alkyl-4-isothiazolin-3-one selected from substituted and unsubstituted 2-(C.sub.1-C.sub.4)alkyl-4-isothiazolin-3-ones; and (b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 24 USPATFULL on STN  
ACCESSION NUMBER: 2004:133003 USPATFULL  
TITLE: Aqueous dispersion of low-melting organic solids  
INVENTOR(S): Engler, Ernst, Grabs, SWITZERLAND  
Tiedtke, Gerhard, Gams, SWITZERLAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004101539	A1	20040527
APPLICATION INFO.:	US 2003-702422	A1	20031105 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-449894P	20030225 (60)
	US 2002-428414P	20021122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROHM AND HAAS COMPANY, PATENT DEPARTMENT, 100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA, 19106-2399	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	300	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous composition comprising from 5% to 30% of at least one organic compound having a melting point in a range from 30° C. to 60° C. and water solubility at 25° C. of less than 0.5%, at least one inorganic filler, at least one surfactant and no more than 20% organic solvent. The composition is stable with regard to agglomeration and phase separation for at least three months at room temperature.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 8  
ACCESSION NUMBER: 1999:111702 CAPLUS  
DOCUMENT NUMBER: 130:164325  
TITLE: Microbicidal cyclodextrin complexes with isothiazolinone derivatives, provided with water-soluble coating  
INVENTOR(S): Wimmer, Thomas; Tiedtke, Gerhard  
PATENT ASSIGNEE(S): Wacker-Chemie GmbH, Germany  
SOURCE: Eur. Pat. Appl., 5 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent

LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 895718	A2	19990210	EP 1998-113776	19980723
EP 895718	A3	19990616		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19734244	A1	19990211	DE 1997-19734244	19970807
CA 2243836	AA	19990207	CA 1998-2243836	19980717
CN 1212836	A	19990407	CN 1998-117303	19980806
BR 9802858	A	20000118	BR 1998-2858	19980806
JP 11116411	A2	19990427	JP 1998-224352	19980807

PRIORITY APPLN. INFO.: DE 1997-19734244 A 19970807

AB The title complexes, such as the Kathon LX complex of  $\beta$ -cyclodextrin, are coated with PVA, gelatin or other water-soluble material. The coated complexes are non-dusting and, therefore, not noxious to humans.

L5 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:419581 CAPLUS

DOCUMENT NUMBER: 131:78139

TITLE: Kathon CG in cosmetics. Current state

AUTHOR(S): Tiedtke, Gerhard

CORPORATE SOURCE: Rohm Haas European Operations, Frankfurt/Main,  
D-60489, Germany

SOURCE: SOFW Journal (1999), 125(6), 30, 32

CODEN: SOFJEE; ISSN: 0942-7694

PUBLISHER: Verlag fuer Chemische Industrie H. Ziolkowsky

DOCUMENT TYPE: Journal; General Review

LANGUAGE: German

AB A review is given with no refs. on the preservative kathon CG in cosmetics including the topics international trial, stable prevalence rates and new monitoring structures, and producers seeking globally applicable preservatives.

L5 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:696590 CAPLUS

DOCUMENT NUMBER: 130:87107

TITLE: Thermal and hydraulic measurement in the ITER QUELL  
Experiments

AUTHOR(S): Hamada, K.; Takahashi, Y.; Koizumi, N.; Tsuji, H.;

Anghel, A.; Blau, B.; Fuchs, A.; Heer, B.;

Vecsey, G.; Smith, S.; Pourrahimi, S.; Zhelamskiy, M.

CORPORATE SOURCE: Japan Atomic Energy Research Institute, Ibaraki,  
801-1, Japan

SOURCE: Advances in Cryogenic Engineering (1998), 43(Pt. A),  
197-204

CODEN: ACYEAC; ISSN: 0065-2482

PUBLISHER: Plenum Publishing Corp.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In the engineering design activity for ITER, a test coil named QUench Expts. on Long Length (QUELL), using 91 m and 1/5-size ITER superconducting conductor, was fabricated by JAERI. The performance tests were carried out at the SULTAN facility in Switzerland where quench propagation, thermal and hydraulic characteristics were determined and development and test of new quench detection system were conducted. The thermal and hydraulic behavior was not known well. This conductor has a central channel to reduce the pressure drop. To study the thermal and hydraulic characteristic of the conductor, the pressure drop was measured at 5-13 K and 2-11 g/s, and the friction factor of the central channel was calculated. In heat slug propagation, an inductive and resistive heater on the conductor was used and the velocity of the heat front and input energy are

estimated from the temperature change of conductor.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:785207 CAPLUS

DOCUMENT NUMBER: 128:67456

TITLE: The ITER-QUELL, a quench propagation experiment on  
long length CICC with central channel

AUTHOR(S): Anghel, A.; Takahashi, Y.; Smith, S.; Pourrahimi, S.;  
Zhelamskij, M.; Blau, B.; Fuchs, A.; Heer, B.

CORPORATE SOURCE: ; Hamada, K.; Fujisaki, H.; Marinucci, C.; Vecsey, G.  
Fusion Technology Division, EPFL-CRPP, Villigen, 5232,  
Switz.

SOURCE: Fusion Technology 1996, Proceedings of the Symposium  
on Fusion Technology, 19th, Lisbon, Sept. 16-20, 1996  
(1997), Meeting Date 1996, Volume 1, 185-190.  
Editor(s): Varandas, C.; Serra, F. Elsevier:  
Amsterdam, Neth.

CODEN: 65KYAT

DOCUMENT TYPE: Conference

LANGUAGE: English

AB QUELL exptl. results concerning critical current, current sharing temperature,  
quench propagation and thermohydraulic quench back are reported. A short  
description is given of the experiment followed by a detailed anal. of the  
quench propagation expts. An important correlation for the temperature margin,  
operating current and time dependence of the normal zone length have been  
found.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:332941 CAPLUS

DOCUMENT NUMBER: 131:119724

TITLE: Environmentally acceptable recycling of masonry wastes

AUTHOR(S): Heer, B.; Schubert, P.

CORPORATE SOURCE: Institut fur Bauforschung der RWTH Aachen, Aachen, D -  
52062, Germany

SOURCE: Internationale Baustofftagung, 13th, Weimar, Sept.  
24-26, 1997 (1997), Volume 2, 2/1089-2/1107.

Editor(s): Finger, F. A.; Stark, J.  
Bauhaus-Universitaet Weimar: Weimar, Germany.

CODEN: 67PSAG

DOCUMENT TYPE: Conference

LANGUAGE: German

AB The environmental acceptability of recycling bricks, calcareous sandstone,  
porous concrete, lightwt. concrete with expanded clay or pumice as  
aggregate, lightwt. lime-cement plaster, foamed glass-containing plaster,  
lightwt. mortar, and thermally insulating plaster was evaluated. The  
evaluation comprised heavy metals and their leachability. Only few  
materials would require disposal in landfills.

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:781727 CAPLUS

DOCUMENT NUMBER: 124:25149

TITLE: Determination of prostate-specific antigens (PSA) in  
serum and comparison of PSA tests with the new Stratus  
reagent method

AUTHOR(S): Hilgenfeldt, J.; Heer, Birgit; Lochner,  
Dagmar; Danninger, J.

CORPORATE SOURCE: Reha-Zentrum, Bundesanst. Arbeit, Bad Kissingen,  
D-97688, Germany

SOURCE: Laboratoriumsmedizin (1995), 19(7/8), 354-7

CODEN: LABOD3; ISSN: 0342-3026

PUBLISHER: Blackwell  
DOCUMENT TYPE: Journal  
LANGUAGE: German

AB Prostate-specific antigens (PSA) were determined in serum of a total of 234 samples from patients grouped according to age by Stratus PSA test and compared to enzymeimmunoassay tests on ES 300 and IMX analyzers. The Stratus test correlated well with the IMX test. A significant increase in standard deviation was observed in the group of patients over 40. This indicates a general need for screening in men over 40.

L5 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:88557 CAPLUS  
DOCUMENT NUMBER: 120:88557  
TITLE: Test of lepton-flavor conservation in  $\mu \rightarrow e$  conversion on titanium

AUTHOR(S): Dohmen, C.; Groth, K. D.; Heer, B.;  
Honecker, W.; Otter, G.; Steinruecken, B.; Wintz, P.;  
Djordjadze, V.; Hofmann, J.; et al.

CORPORATE SOURCE: III. Phys. Inst. B, RWTH Aachen, Aachen, D-52056,  
Germany

SOURCE: Physics Letters B (1993), 317(4), 631-6  
CODEN: PYLBAJ; ISSN: 0370-2693

DOCUMENT TYPE: Journal  
LANGUAGE: English

AB A search for  $\mu \rightarrow e$  conversion in muonic atoms is being performed at PSI with the SINDRUM II spectrometer. A first measurement on Ti gives upper limits on the branching ratios for the ground-state transitions of  $\Gamma(\mu\text{-Ti} \rightarrow e\text{-Ti g.s.})/\Gamma(\mu\text{-Ti capture}) < 4.3 + 10^{-12}$  and  $\Gamma(\mu\text{-Ti} \rightarrow e\text{-Ca g.s.})/\Gamma(\mu\text{-Ti capture}) < 4.3 + 10^{-12}$  (90% confidence). With the assumption of a giant resonance excitation of the Ca nucleus the limit on the total rate for  $\mu^- \rightarrow e^+$  conversion is  $\Gamma(\mu\text{-Ti} \rightarrow e^+\text{-Ca}^+)/\Gamma(\mu\text{-Ti capture}) < 8.9 + 10^{-11}$ .

L5 ANSWER 16 OF 24 USPATFULL on STN

ACCESSION NUMBER: 92:37953 USPATFULL  
TITLE: Anti-sapstain wood treatment  
INVENTOR(S): Hegarty, Bryan, Peymeinade, France  
PATENT ASSIGNEE(S): Rohm and Haas Company, Philadelphia, PA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5112396		19920512
APPLICATION INFO.:	US 1990-475613		19900205 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dixon, Jr., William R.		
ASSISTANT EXAMINER:	Bonner, Melissa		
LEGAL REPRESENTATIVE:	Fein, Michael B.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	294		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use is disclosed of one or more of

(a) a polyquaternary compound,

(b) a thickening agent or dispersing agent,

(c) a nonionic surfactant having from 3 to 12 alkylene oxide, preferably ethylene oxide, units,

(d) a simple quaternary compound in an amount at least equal to the

amount of isothiazolone in the solution,

to prevent stripping of isothiazolone in an isothiazolone-containing solution used as an anti-sapstain agent in wood treatment, where the solution is recurrently contacted with wood.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
ACCESSION NUMBER: 1990-240824 [32] WPIDS  
DOC. NO. NON-CPI: N1990-186878  
DOC. NO. CPI: C1990-104080  
TITLE: Anti-sap stain treatment of wood - using isothiazolone  
**fungicide** solution containing anti-stripping additive.  
DERWENT CLASS: A25 A97 C03 D22 F09 P63  
INVENTOR(S): HEGARTY, B M; HEGARTY, B  
PATENT ASSIGNEE(S): (ROHM) ROHM & HAAS CO; (HEGA-I) HEGARTY B  
COUNTRY COUNT: 23  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 381482	A	19900808	(199032)*		
R: AT BE CH DE ES FR GB GR IT LI LU NL SE					
AU 9049037	A	19900809	(199039)		
NO 9000413	A	19900827	(199040)		
CA 2009075	A	19900803	(199042)		
PT 93046	A	19900831	(199043)		
FI 9000551	A	19900804	(199045)		
ZA 9000721	A	19901031	(199049)		
BR 9000474	A	19910115	(199107)		
JP 03197404	A	19910828	(199141)		
AU 634745	B	19930304	(199316)		
EP 381482	B1	19931229	(199401)	EN	11
R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69005468	E	19940210	(199407)		
ES 2062328	T3	19941216	(199505)		
NO 176953	B	19950320	(199516)		
PH 26818	A	19921105	(199634)		
FI 101274	B1	19980529	(199828)		
JP 2871785	B2	19990317	(199916)		7
CA 2009075	C	20010417	(200128)	EN	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 381482	A	EP 1990-301025	19900131
ZA 9000721	A	ZA 1990-721	19900131
JP 03197404	A	JP 1990-24291	19900202
AU 634745	B	AU 1990-49037	19900202
EP 381482	B1	EP 1990-301025	19900131
DE 69005468	E	DE 1990-605468	19900131
		EP 1990-301025	19900131
ES 2062328	T3	EP 1990-301025	19900131
NO 176953	B	NO 1990-413	19900130
PH 26818	A	PH 1990-39973	19900131
FI 101274	B1	FI 1990-551	19900202
JP 2871785	B2	JP 1990-24291	19900202
CA 2009075	C	CA 1990-2009075	19900201

FILING DETAILS:

PATENT NO	KIND	PATENT NO
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AU 634745	B Previous Publ.	AU 9049037
DE 69005468	E Based on	EP 381482
ES 2062328	T3 Based on	EP 381482
NO 176953	B Previous Publ.	NO 9000413
FI 101274	B1 Previous Publ.	FI 9000551
JP 2871785	B2 Previous Publ.	JP 03197404

PRIORITY APPLN. INFO: GB 1989-2449 19890203

AN 1990-240824 [32] WPIDS

AB EP 381482 A UPAB: 19930928

Additives (I) are used to combat stripping of isothiazolone **fungicides** (II) from solns. used for anti-sap stain treatment of wood, i.e. to reduce the rate at which the concentration of (II) decreases as more and more pieces of wood are contacted with the solution (I) are polyquaternary cpds. (Ia), thickening or dispersing agents (Ib), nonionic surfactants (Ic) containing 3-12 alkylene oxide units, or simple quat. cpds. (Id), provided that the (Id):(II) ratio is at least 1:1.

(Ia) are pref. quaternised polyamines, polyamine ethers or polyvinylpyrrolidones, polyquaternary ammonium polymers or cationic polymers based on acrylates. (Ib) are pref. water-soluble or water-dispersible polymers derived from (meth)acrylic acid and/or (meth)acrylate esters, vinyl monomers and/or glycol or ether monomers. @ 0/0

ABEQ EP 381482 B UPAB: 19940217

The use of an isothiazolone-containing solution of one or more of (a) a polyquaternary compound based on either polyamine or polyamine ether, polyvinyl pyrrolidone, polyquaternary ammonium polymer or cationic copolymer based on acrylates, (b) a waer-soluble and/or water-dispersible polymer comprising either homopolymer(s) or copolymer(s) of (meth)acrylic acid(s) and/or esters(s), vinyl homopolymer(s) and/or copolymer(s), and/or polymer(s) based on glycol monomer(s) or ether monomer(s), (c) a nonionic surfactant having from 3 to 12 alkylene oxide, preferably ethylene oxide, units, (d) a simple quaternary compound comprising ammonium halide(s) of the formulae (I) or (II), wher Ph is C6H5 or C6H4R, R is H or (C1-C3)alkyl, R2 is (C1-C3)alkyl, R' is (C8-C18)alkyl, and X is halogen at a ratio to isothiazolone of from 1:1 to 5:1, preferably 3.5:1, as an agent for combating stripping of the isothiazolone from said solution when it is to be used as an anti-sapstain treatment composition in recurrent contact with wood.

Dwg. 0/0

L5 ANSWER 18 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

ACCESSION NUMBER: 1980-86529C [49] WPIDS

TITLE: Pressure forming piston for cartridges production from plastic - fitted with an outward curved piston forming head and piston walls with sealing devices as well as inserted pressure plate.

DERWENT CLASS: A32 A95 K04 Q34

INVENTOR(S): EIDNER, K; GATZEN, P; TIEDTKE, G

PATENT ASSIGNEE(S): (SCHI-N) SCHIEFERDECKER GMBH

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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DE 2920915	A	19801127	(198049)*		

PRIORITY APPLN. INFO: DE 1979-2920915 19790523

AN 1980-86529C [49] WPIDS

AB DE 2920915 A UPAB: 19930902

Pressure forming piston used in a hollow cylindrical container for plastic materials especially for cartridges with a piston head curved outwards and a piston wall fitted with a ring shaped sealing lip in the area leading to

the piston head and also fitted with several ring shaped projections on its outer surface.

A pressure plate curved in the opposite direction to the piston head is inserted into the interior of the pressure forming piston adjoining with its edge of the area of the crossover between piston head and piston wall. The pressure plate is fitted with  $\geq 1$  stop cam projecting towards the piston head.

L5 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:445489 CAPLUS

DOCUMENT NUMBER: 93:45489

TITLE: Ring-opening carbonylation of the spiro[2.4]hepta-4,6-diene system with tetracarbonylnickel

AUTHOR(S): Eilbracht, Peter; Mayser, Ulrich; **Tiedtke, Gerhard**

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Tech. Hochsch. Darmstadt, Darmstadt, D-6100, Fed. Rep. Ger.

SOURCE: Chemische Berichte (1980), 113(4), 1420-30  
CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal

LANGUAGE: German

GI For diagram(s), see printed CA Issue.

AB Ni(CO)<sub>4</sub>-induced opening of the 3-membered ring in spiro[2.4]hepta-4,6-diene is directed by Me and vinyl substituents. A Me group at C(1) hinders, and a vinyl group enhances, opening of the adjacent 3-membered ring C-C bond. The products are  $\sigma$ -alkyl- and  $\sigma$ -acyl- $\pi$ -cyclopentadienyl complexes, e.g., I, and dinuclear systems, e.g., II. The  $\mu$ -[1,5-di( $\eta$ 5-cyclopentadienyl)-3-pentanone] ligand in II is formed by carbonylation and coupling of 2 spiroheptadiene units.

L5 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:181345 CAPLUS

DOCUMENT NUMBER: 92:181345

TITLE: Ring-opening reactions of spiro[2.4]hepta-4,6-diene and spiro[4.4]nona-1,3-diene with Co<sub>2</sub>(CO)<sub>8</sub>; a facile access to dicarbonyl- $\eta$ 5-vinylcyclopentadienylcobalt

AUTHOR(S): Eilbracht, Peter; Dahler, Peter; **Tiedtke, Gerhard**

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Tech. Hochsch. Darmstadt, Darmstadt, D-6100, Fed. Rep. Ger.

SOURCE: Journal of Organometallic Chemistry (1980), 185(2), C25-C28  
CODEN: JORCAI; ISSN: 0022-328X

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB Spiro[2.4]hepta-4,6-diene and spiro[4.4]nona-1,3-diene both react with Co<sub>2</sub>(CO)<sub>8</sub>, to give substituted dicarbonyl- $\eta$ 5-cyclopentadienylcobalt complexes (e.g. I, II, R = Et, vinyl) by disproportionation, coupling, or recyclization of the ring-opened intermediates.

L5 ANSWER 21 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

ACCESSION NUMBER: 1979-H9884B [38] WPIDS

TITLE: Cartridge for separate ingredients - has cup-shaped main piston containing one ingredient and auxiliary piston which is slidable to produce mixing of ingredients.

DERWENT CLASS: Q34

INVENTOR(S): EIDNER, K; GATZEN, P; **TIEDTKE, G**

PATENT ASSIGNEE(S): (SCHI-N) SCHIEFERDECKER GMBH

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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PRIORITY APPLN. INFO: DE 1978-2809646 19780306

AN 1979-H9884B [38] WPIDS

AB DE 2809646 A UPAB: 19930901

The cartridge contains a number of separate ingredients, which after mixing together are force out of the cylindrical body by a piston and through a nozzle. The piston accommodates one of the ingredients and is cup-shaped, having a port in its crown which can be sealed.

An auxiliary piston inside the main piston forms a seal as it slides in it until it encounters the crown. Further movement of the auxiliary piston moves the main piston so as to extrude the mixture of the material initially inside the piston and that inside the main part of the cartridge.

L5 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 9

ACCESSION NUMBER: 1974:422513 CAPLUS

DOCUMENT NUMBER: 81:22513

TITLE: Regulatory and physicochemical properties of two isoenzymes of malate dehydrogenase from *Schizosaccharomyces pombe*

AUTHOR(S): Flury, Urs; Heer, Beat; Fiechter, Armin

CORPORATE SOURCE: Inst. Microbiol., Swiss Fed. Inst. Technol., Zurich, Switz.

SOURCE: Biochimica et Biophysica Acta (1974), 341(2), 465-83  
CODEN: BBACAQ; ISSN: 0006-3002

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In *S. pombe* 2 isoenzymes of malate dehydrogenase were found which differ markedly in their response to glucose. One isoenzyme is synthesized only in glucose-repressed cells and disappears during respiratory derepression. The synthesis of the other form starts after glucose has been reduced by assimilation to a concentration of .apprx.1.0 g/l. Fully derepressed cells contain exclusively this second isoenzymic form, which is rapidly inactivated after addition of glucose, probably by an enzymic-catalyzed

chemical

modification. Inhibition of derepression by antibiotics indicates that this isoenzyme is synthesized by cytoplasmic and not mitochondrial ribosomes. Both isoenzymes were purified 600-fold with about the same yield to electrophoretic homogeneity. Three mg of pure enzyme were isolated from glucose-repressed as well as derepressed cells of this fission yeast. Thus, the intracellular concentration of the enzymes is about

the

same in both physiol. states. The glucose-repressible isoenzyme is therefore 20-fold as active as the isoenzyme synthesized in the presence of glucose. Both isoenzymes possess a mol. weight of 60,000, are composed of 2 subunits identical in mol. weight and show the same sensitivity to inhibition by high concns. of oxaloacetate, corresponding to the cytoplasmic forms of malate dehydrogenase from mammalian cells. The apparent Michaelis consts., and the pH and temperature optima are similar for both forms. The isoenzymes differ in their isoelec. points and their amino acid compns.

L5 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 10

ACCESSION NUMBER: 1974:460667 CAPLUS

DOCUMENT NUMBER: 81:60667

TITLE: Isoenzyme pattern of malate dehydrogenase during respiratory derepression in *Schizosaccharomyces pombe*

AUTHOR(S): Flury, Urs; Heer, Beat; Fiechter, Armin

CORPORATE SOURCE: Mikrobiol. Inst., Eidg. Tech. Hochsch., Zurich, Switz.

SOURCE: Archives of Microbiology (1974), 97(2), 141-8

CODEN: AMICCW; ISSN: 0302-8933

DOCUMENT TYPE: Journal

LANGUAGE: English

AB One isoenzyme of malate dehydrogenase with an isoelectric point of 6.4 was found in glucose-repressed cells of *S. pombe*. During respiratory derepression the activity of this isoenzyme decreased rapidly in vivo. In the course of this inactivation 2 new forms of malate dehydrogenase with isoelectric points of 6.0 and 5.7 appeared. These 2 enzymic forms disappeared 4 hr after the exhaustion of glucose; probably they are degradation products of the isoenzyme present in glucose-repressed cells. Fully derepressed cells of this fission yeast contained 1 isoenzyme of malate dehydrogenase with an isoelectric point of 5.3. The synthesis of this isoenzyme was initiated at glucose concns. <1.5 g/l.

L5 ANSWER 24 OF 24 KOSMET COPYRIGHT 2005 IFSCC on STN  
ACCESSION NUMBER: 23728 KOSMET  
FILE SEGMENT: scientific, technical  
TITLE: KATHON CG - CURRENT STATUS OF USE IN COSMETICS  
KATHON CG - AKTUELLER STAND BEIM EINSATZ IN KOSMETIKA  
AUTHOR: TIEDTKE G (ROHM AND HAAS EUROPEAN OPERATIONS, IN  
DER KRON 4, 60489 FRANKFURT, GERMANY)  
SOURCE: SOFW JOURNAL, 125 (6), 30-32  
DOCUMENT TYPE: General review  
LANGUAGE: German  
AN 23728 KOSMET FS scientific, technical

L5 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1  
ACCESSION NUMBER: 2005:471696 CAPLUS  
DOCUMENT NUMBER: 143:12933  
TITLE: Formaldehyde releaser and process for treating aqueous  
systems  
INVENTOR(S): Felder, Patrick Thomas; Tiedtke, Gerhard  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005115910	A1	20050602	US 2004-936839	20040909
CA 2488015	AA	20050602	CA 2004-2488015	20041118
EP 1537782	A1	20050608	EP 2004-257217	20041120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
JP 2005163045	A2	20050623	JP 2004-348002	20041201
PRIORITY APPLN. INFO.:			US 2003-526229P	P 20031202

AB The invention is directed to a stable urea formaldehyde composition that, when combined with one or more biocides including isothiazolones, slowly releases low levels of formaldehyde with low to no odor.

L5 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2  
ACCESSION NUMBER: 2004:825132 CAPLUS  
DOCUMENT NUMBER: 141:320093  
TITLE: Microbicidal composition  
INVENTOR(S): Heer, Beat; Tiedtke, Gerhard; Hegarty, Bryan  
Martin  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198729	A1	20041007	US 2004-812040	20040329
JP 2004307482	A2	20041104	JP 2004-82174	20040322
BR 2004000788	A	20050628	BR 2004-788	20040326
EP 1468608	A2	20041020	EP 2004-251954	20040401
EP 1468608	A3	20041208		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1535582	A	20041013	CN 2004-10033348	20040402
PRIORITY APPLN. INFO.:			US 2003-460948P	P 20030407

OTHER SOURCE(S): MARPAT 141:320093

AB A microbicidal composition containing: (a) at least one 2-alkyl-4-isothiazolin-3-one; (b) at least one halopropynyl carbamate; and (c) at least one sulfur-containing s-triazine.

L5 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 2004:825128 CAPLUS  
DOCUMENT NUMBER: 141:320092  
TITLE: Microbicidal composition  
INVENTOR(S): Heer, Beat; Tiedtke, Gerhard; Hegarty, Bryan Martin  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198714	A1	20041007	US 2004-812127	20040329
JP 2004307483	A2	20041104	JP 2004-82195	20040322
BR 2004000786	A	20050628	BR 2004-786	20040326
EP 1468607	A2	20041020	EP 2004-251964	20040401
EP 1468607	A3	20041215		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1535583	A	20041013	CN 2004-10033349	20040402
PRIORITY APPLN. INFO.:			US 2003-460923P	P 20030407
AB A microbicidal composition containing: (a) at least one sulfur-containing s-triazine; and (b) at least one pyrrithione metal salt is disclosed.				

L5 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2004:825127 CAPLUS  
DOCUMENT NUMBER: 141:320091  
TITLE: Microbicidal composition  
INVENTOR(S): Heer, Beat; Tiedtke, Gerhard; Hegarty, Bryan Martin  
PATENT ASSIGNEE(S): Switz.  
SOURCE: U.S. Pat. Appl. Publ., 4 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198713	A1	20041007	US 2004-811518	20040329
JP 2004315507	A2	20041111	JP 2004-82164	20040322
BR 2004000787	A	20050628	BR 2004-787	20040326

EP 1466526 A2 20041013 EP 2004-251945 20040401  
EP 1466526 A3 20041124  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR  
CN 1535581 A 20041013 CN 2004-10033347 20040402  
PRIORITY APPLN. INFO.: US 2003-460925P P 20030407

OTHER SOURCE(S): MARPAT 141:320091

AB A microbicidal composition containing (a) at least one sulfur-containing s-triazine,

(b) at least one pyrithione metal salt, and (c) at least one addnl.  
microbicide selected from 2-alkyl-4-isothiazolin-3-ones and halopropynyl carbamates is disclosed.

L5 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 2004:794524 CAPLUS

DOCUMENT NUMBER: 141:282921

TITLE: Synergistic microbicidal composition

INVENTOR(S): Heer, Beat; Tiedtke, Gerhard; Warwick,  
Eileen Fleck

PATENT ASSIGNEE(S): Rohm and Haas Company, USA

SOURCE: Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1462003	A1	20040929	EP 2004-251466	20040315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004000354	A	20041228	BR 2004-354	20040315
ZA 2004002085	A	20040916	ZA 2004-2085	20040316
CN 1531848	A	20040929	CN 2004-10030080	20040318
US 2004198785	A1	20041007	US 2004-803237	20040318
JP 2004292449	A2	20041021	JP 2004-89001	20040325

PRIORITY APPLN. INFO.: US 2003-458203P P 20030326

AB A synergistic microbicidal composition contains: (a) at least one nonhalogenated 2-alkyl-4-isothiazolin-3-one selected from substituted and unsubstituted 2-(C1-C4)alkyl-4-isothiazolin-3-ones; and (b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone.

L5 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 2004:427579 CAPLUS

DOCUMENT NUMBER: 140:401758

TITLE: Stable aqueous dispersion of low-melting organic solid biocides

INVENTOR(S): Engler, Ernst; Tiedtke, Gerhard

PATENT ASSIGNEE(S): Rohm and Haas Company, USA

SOURCE: Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1421852	A1	20040526	EP 2003-256980	20031105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2004101539	A1	20040527	US 2003-702422	20031105
BR 2003005139	A	20040629	BR 2003-5139	20031114
CN 1502238	A	20040609	CN 2003-10118002	20031120

AB An aqueous composition comprising 5-30% of at least one organic biocide, such as a

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004198785	A1	20041007	
APPLICATION INFO.:	US 2004-803237	A1	20040318	(10)

AB A microbicidal composition containing: (a) at least one non-halogenated 2-alkyl-4-isothiazolin-3-one selected from substituted and unsubstituted 2-(C.sub.1-C.sub.4)alkyl-4-isothiazolin-3-ones; and (b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone.

L5 ANSWER 8 OF 24 USPATFULL on STN  
ACCESSION NUMBER: 2004:133003 USPATFULL  
TITLE: Aqueous dispersion of low-melting organic solids  
INVENTOR(S): Engler, Ernst, Grabs, SWITZERLAND  
**Tiedtke, Gerhard, Gams, SWITZERLAND**

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004101539	A1	20040527	
APPLICATION INFO.:	US 2003-702422	A1	20031105	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-449894P	20030225 (60)
	US 2002-428414P	20021122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROHM AND HAAS COMPANY, PATENT DEPARTMENT, 100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA, 19106-2399	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	300	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB An aqueous composition comprising from 5% to 30% of at least one organic compound having a melting point in a range from 30° C. to 60° C. and water solubility at 25° C. of less than 0.5%, at least one inorganic filler, at least one surfactant and no more than 20% organic solvent. The composition is stable with regard to agglomeration and phase separation for at least three months at room temperature.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 8

ACCESSION NUMBER: 1999:111702 CAPLUS  
DOCUMENT NUMBER: 130:164325  
TITLE: Microbicidal cyclodextrin complexes with isothiazolinone derivatives, provided with water-soluble coating  
INVENTOR(S): Wimmer, Thomas; Tiedtke, Gerhard  
PATENT ASSIGNEE(S): Wacker-Chemie GmbH, Germany  
SOURCE: Eur. Pat. Appl., 5 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 895718	A2	19990210	EP 1998-113776	19980723
EP 895718	A3	19990616		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19734244	A1	19990211	DE 1997-19734244	19970807
CA 2243836	AA	19990207	CA 1998-2243836	19980717
CN 1212836	A	19990407	CN 1998-117303	19980806
BR 9802858	A	20000118	BR 1998-2858	19980806
JP 11116411	A2	19990427	JP 1998-224352	19980807
PRIORITY APPLN. INFO.:			DE 1997-19734244	A 19970807

AB The title complexes, such as the Kathon LX complex of  $\beta$ -cyclodextrin, are coated with PVA, gelatin or other water-soluble material. The coated complexes are nondusting and, therefore not noxious to humans.

L5 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:419581 CAPLUS  
DOCUMENT NUMBER: 131:78139  
TITLE: Kathon CG in cosmetics. Current state  
AUTHOR(S): Tiedtke, Gerhard  
CORPORATE SOURCE: Rohm Haas European Operations, Frankfurt/Main, D-60489, Germany  
SOURCE: SOFW Journal (1999), 125(6), 30,32  
CODEN: SOFJEE; ISSN: 0942-7694  
PUBLISHER: Verlag fuer Chemische Industrie H. Ziolkowsky  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: German

AB A review is given with no refs. on the preservative kathon CG in cosmetics including the topics international trial, stable prevalence rates and new monitoring structures, and producers seeking globally applicable preservatives.

L5 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:696590 CAPLUS  
DOCUMENT NUMBER: 130:87107  
TITLE: Thermal and hydraulic measurement in the ITER QUELL Experiments  
AUTHOR(S): Hamada, K.; Takahashi, Y.; Koizumi, N.; Tsuji, H.; Anghel, A.; Blau, B.; Fuchs, A.; Heer, B.;

CORPORATE SOURCE: Vecsey, G.; Smith, S.; Pourrahimi, S.; Zhelamskij, M.  
Japan Atomic Energy Research Institute, Ibaraki,  
801-1, Japan  
SOURCE: Advances in Cryogenic Engineering (1998), 43(Pt. A),  
197-204  
CODEN: ACYEAC; ISSN: 0065-2482  
PUBLISHER: Plenum Publishing Corp.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB In the engineering design activity for ITER, a test coil named QUench Expts. on Long Length (QUELL), using 91 m and 1/5-size ITER superconducting conductor, was fabricated by JAERI. The performance tests were carried out at the SULTAN facility in Switzerland where quench propagation, thermal and hydraulic characteristics were determined and development and test of new quench detection system were conducted. The thermal and hydraulic behavior was not known well. This conductor has a central channel to reduce the pressure drop. To study the thermal and hydraulic characteristic of the conductor, the pressure drop was measured at 5-13 K and 2-11 g/s, and the friction factor of the central channel was calculated. In heat slug propagation, an inductive and resistive heater on the conductor was used and the velocity of the heat front and input energy are estimated from the temperature change of conductor.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:785207 CAPLUS

DOCUMENT NUMBER: 128:67456

TITLE: The ITER-QUELL, a quench propagation experiment on long length CICC with central channel

AUTHOR(S): Anghel, A.; Takahashi, Y.; Smith, S.; Pourrahimi, S.; Zhelamskij, M.; Blau, B.; Fuchs, A.; Heer, B.; Hamada, K.; Fujisaki, H.; Marinucci, C.; Vecsey, G.

CORPORATE SOURCE: Fusion Technology Division, EPFL-CRPP, Villigen, 5232, Switz.

SOURCE: Fusion Technology 1996, Proceedings of the Symposium on Fusion Technology, 19th, Lisbon, Sept. 16-20, 1996 (1997), Meeting Date 1996, Volume 1, 185-190.

Editor(s): Varandas, C.; Serra, F. Elsevier:

Amsterdam, Neth.

CODEN: 65KYAT

DOCUMENT TYPE: Conference

LANGUAGE: English

AB QUELL exptl. results concerning critical current, current sharing temperature, quench propagation and thermohydraulic quench back are reported. A short description is given of the experiment followed by a detailed anal. of the quench propagation expts. An important correlation for the temperature margin, operating current and time dependence of the normal zone length have been found.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:332941 CAPLUS

DOCUMENT NUMBER: 131:119724

TITLE: Environmentally acceptable recycling of masonry wastes

AUTHOR(S): Heer, B.; Schubert, P.

CORPORATE SOURCE: Institut fur Bauforschung der RWTH Aachen, Aachen, D - 52062, Germany

SOURCE: Internationale Baustofftagung, 13th, Weimar, Sept. 24-26, 1997 (1997), Volume 2, 2/1089-2/1107.

Editor(s): Finger, F. A.; Stark, J.

Bauhaus-Universitaet Weimar: Weimar, Germany.

CODEN: 67PSAG

DOCUMENT TYPE: Conference

LANGUAGE: German  
AB The environmental acceptability of recycling bricks, calcareous sandstone, porous concrete, lightwt. concrete with expanded clay or pumice as aggregate, lightwt. lime-cement plaster, foamed glass-containing plaster, lightwt. mortar, and thermally insulating plaster was evaluated. The evaluation comprised heavy metals and their leachability. Only few materials would require disposal in landfills.  
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1995:781727 CAPLUS  
DOCUMENT NUMBER: 124:25149  
TITLE: Determination of prostate-specific antigens (PSA) in serum and comparison of PSA tests with the new Stratus reagent method  
AUTHOR(S): Hilgenfeldt, J.; Heer, Birgit; Lochner, Dagmar; Danninger, J.  
CORPORATE SOURCE: Reha-Zentrum, Bundesanst. Arbeit, Bad Kissingen, D-97688, Germany  
SOURCE: Laboratoriumsmedizin (1995), 19(7/8), 354-7  
CODEN: LABOD3; ISSN: 0342-3026  
PUBLISHER: Blackwell  
DOCUMENT TYPE: Journal  
LANGUAGE: German

AB Prostate-specific antigens (PSA) were determined in serum of a total of 234 samples from patients grouped according to age by Stratus PSA test and compared to enzymeimmunol. tests on ES 300 and IMX analyzers. The Stratus test correlated well with the IMX test. A significant increase in standard deviation was observed in the group of patients over 40. This indicates a general need for screening in men over 40.

L5 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1994:88557 CAPLUS  
DOCUMENT NUMBER: 120:88557  
TITLE: Test of lepton-flavor conservation in  $\mu \rightarrow e$  conversion on titanium  
AUTHOR(S): Dohmen, C.; Groth, K. D.; Heer, B.; Honecker, W.; Otter, G.; Steinruecken, B.; Wintz, P.; Djordjadze, V.; Hofmann, J.; et al.  
CORPORATE SOURCE: III. Phys. Inst. B, RWTH Aachen, Aachen, D-52056, Germany  
SOURCE: Physics Letters B (1993), 317(4), 631-6  
CODEN: PYLBAJ; ISSN: 0370-2693  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB A search for  $\mu \rightarrow e$  conversion in muonic atoms is being performed at PSI with the SINDRUM II spectrometer. A first measurement on Ti gives upper limits on the branching ratios for the ground-state transitions of  $\Gamma(\mu\text{-Ti} \rightarrow e\text{-Ti g.s.})/\Gamma(\mu\text{-Ti capture}) < 4.3 + 10^{-12}$  and  $\Gamma(\mu\text{-Ti} \rightarrow e\text{-Ca g.s.})/\Gamma(\mu\text{-Ti capture}) < 4.3 + 10^{-12}$  (90% confidence). With the assumption of a giant resonance excitation of the Ca nucleus the limit on the total rate for  $\mu^- \rightarrow e^+$  conversion is  $\Gamma(\mu\text{-Ti} \rightarrow e^+\text{-Ca}^*)/\Gamma(\mu\text{-Ti capture}) < 8.9 + 10^{-11}$ .

L5 ANSWER 16 OF 24 USPATFULL on STN  
ACCESSION NUMBER: 92:37953 USPATFULL  
TITLE: Anti-sapstain wood treatment  
INVENTOR(S): Hegarty, Bryan, Peymeinade, France  
PATENT ASSIGNEE(S): Rohm and Haas Company, Philadelphia, PA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5112396 19920512  
 APPLICATION INFO.: US 1990-475613 19900205 (7)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Dixon, Jr., William R.  
 ASSISTANT EXAMINER: Bonner, Melissa  
 LEGAL REPRESENTATIVE: Fein, Michael B.  
 NUMBER OF CLAIMS: 7  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 294

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use is disclosed of one or more of

- (a) a polyquaternary compound,
  - (b) a thickening agent or dispersing agent,
  - (c) a nonionic surfactant having from 3 to 12 alkylene oxide, preferably ethylene oxide, units,
  - (d) a simple quaternary compound in an amount at least equal to the amount of isothiazolone in the solution,
- to prevent stripping of isothiazolone in an isothiazolone-containing solution used as an anti-sapstain agent in wood treatment, where the solution is recurrently contacted with wood.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
 ACCESSION NUMBER: 1990-240824 [32] WPIDS  
 DOC. NO. NON-CPI: N1990-186878  
 DOC. NO. CPI: C1990-104080  
 TITLE: Anti-sap stain treatment of wood - using isothiazolone **fungicide** solution containing anti-stripping additive.  
 DERWENT CLASS: A25 A97 C03 D22 F09 P63  
 INVENTOR(S): HEGARTY, B M; HEGARTY, B  
 PATENT ASSIGNEE(S): (ROHM) ROHM & HAAS CO; (HEGA-I) HEGARTY B  
 COUNTRY COUNT: 23  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 381482	A	19900808	(199032)*		
R: AT BE CH DE ES FR GB GR IT LI LU NL SE					
AU 9049037	A	19900809	(199039)		
NO 9000413	A	19900827	(199040)		
CA 2009075	A	19900803	(199042)		
PT 93046	A	19900831	(199043)		
FI 9000551	A	19900804	(199045)		
ZA 9000721	A	19901031	(199049)		
BR 9000474	A	19910115	(199107)		
JP 03197404	A	19910828	(199141)		
AU 634745	B	19930304	(199316)		
EP 381482	B1	19931229	(199401)	EN	11
R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69005468	E	19940210	(199407)		
ES 2062328	T3	19941216	(199505)		
NO 176953	B	19950320	(199516)		
PH 26818	A	19921105	(199634)		
FI 101274	B1	19980529	(199828)		
JP 2871785	B2	19990317	(199916)		7
CA 2009075	C	20010417	(200128)	EN	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 381482	A	EP 1990-301025	19900131
ZA 9000721	A	ZA 1990-721	19900131
JP 03197404	A	JP 1990-24291	19900202
AU 634745	B	AU 1990-49037	19900202
EP 381482	B1	EP 1990-301025	19900131
DE 69005468	E	DE 1990-605468	19900131
		EP 1990-301025	19900131
ES 2062328	T3	EP 1990-301025	19900131
NO 176953	B	NO 1990-413	19900130
PH 26818	A	PH 1990-39973	19900131
FI 101274	B1	FI 1990-551	19900202
JP 2871785	B2	JP 1990-24291	19900202
CA 2009075	C	CA 1990-2009075	19900201

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 634745	B Previous Publ.	AU 9049037
DE 69005468	E Based on	EP 381482
ES 2062328	T3 Based on	EP 381482
NO 176953	B Previous Publ.	NO 9000413
FI 101274	B1 Previous Publ.	FI 9000551
JP 2871785	B2 Previous Publ.	JP 03197404

PRIORITY APPLN. INFO: GB 1989-2449 19890203

AN 1990-240824 [32] WPIDS

AB EP 381482 A UPAB: 19930928

Additives (I) are used to combat stripping of isothiazolone **fungicides** (II) from solns. used for anti-sap stain treatment of wood, i.e. to reduce the rate at which the concentration of (II) decreases as more and more pieces of wood are contacted with the solution (I) are polyquaternary cpds. (Ia), thickening or dispersing agents (Ib), nonionic surfactants (Ic) containing 3-12 alkylene oxide units, or simple quat. cpds. (Id), provided that the (Id):(II) ratio is at least 1:1.

(Ia) are pref. quaternised polyamines, polyamine ethers or polyvinylpyrrolidones, polyquaternary ammonium polymers or cationic polymers based on acrylates. (Ib) are pref. water-soluble or water-dispersible polymers derived from (meth)acrylic acid and/or (meth)acrylate esters, vinyl monomers and/or glycol or ether monomers. @ 0/0

ABEQ EP 381482 B UPAB: 19940217

The use of an isothiazolone-containing solution of one or more of (a) a polyquaternary compound based on either polyamine or polyamine ether, polyvinyl pyrrolidone, polyquaternary ammonium polymer or cationic copolymer based on acrylates, (b) a waer-soluble and/or water-dispersible polymer comprising either homopolymer(s) or copolymer(s) of (meth)acrylic acid(s) and/or esters(s), vinyl homopolymer(s) and/or copolymer(s), and/or polymer(s) based on glycol monomer(s) or ether monomer(s), (c) a nonionic surfactant having from 3 to 12 alkylene oxide, preferably ethylene oxide, units, (d) a simple quaternary compound comprising ammonium halide(s) of the formulae (I) or (II), wher Ph is C6H5 or C6H4R, R is H or (C1-C3)alkyl, R2 is (C1-C3)alkyl, R' is (C8-C18)alkyl, and X is halogen at a ratio to isothiazolone of from 1:1 to 5:1, preferably 3.5:1, as an agent for combating stripping of the isothiazolone from said solution when it is to be used as an anti-sapstain treatment composition in recurrent contact with wood.

Dwg. 0/0

L5 ANSWER 18 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

ACCESSION NUMBER: 1980-86529C [49] WPIDS

TITLE: Pressure forming piston for cartridges production from

plastic - fitted with an outward curved piston forming head and piston walls with sealing devices as well as inserted pressure plate.

DERWENT CLASS: A32 A95 K04 Q34  
INVENTOR(S): EIDNER, K; GATZEN, P; **TIEDTKE, G**  
PATENT ASSIGNEE(S): (SCHI-N) SCHIEFERDECKER GMBH  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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DE 2920915	A	19801127	(198049)*		

PRIORITY APPLN. INFO: DE 1979-2920915 19790523

AN 1980-86529C [49] WPIDS

AB DE 2920915 A UPAB: 19930902

Pressure forming piston used in a hollow cylindrical container for plastic materials especially for cartridges with a piston head curved outwards and a piston wall fitted with a ring shaped sealing lip in the area leading to the piston head and also fitted with several ring shaped projections on its outer surface.

A pressure plate curved in the opposite direction to the piston head is inserted into the interior of the pressure forming piston adjoining with its edge of the area of the crossover between piston head and piston wall. The pressure plate is fitted with  $\geq 1$  stop cam projecting towards the piston head.

L5 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:445489 CAPLUS

DOCUMENT NUMBER: 93:45489

TITLE: Ring-opening carbonylation of the spiro[2.4]hepta-4,6-diene system with tetracarbonylnickel

AUTHOR(S): Eilbracht, Peter; Mayser, Ulrich; **Tiedtke, Gerhard**

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Tech. Hochsch. Darmstadt, Darmstadt, D-6100, Fed. Rep. Ger.

SOURCE: Chemische Berichte (1980), 113(4), 1420-30

CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal

LANGUAGE: German

GI For diagram(s), see printed CA Issue.

AB Ni(CO)<sub>4</sub>-induced opening of the 3-membered ring in spiro[2.4]hepta-4,6-diene is directed by Me and vinyl substituents. A Me group at C(1) hinders, and a vinyl group enhances, opening of the adjacent 3-membered ring C-C bond. The products are  $\sigma$ -alkyl- and  $\sigma$ -acyl- $\pi$ -cyclopentadienyl complexes, e.g., I, and dinuclear systems, e.g., II. The  $\mu$ -[1,5-di( $\eta$ 5-cyclopentadienyl)-3-pentanone] ligand in II is formed by carbonylation and coupling of 2 spiroheptadiene units.

L5 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:181345 CAPLUS

DOCUMENT NUMBER: 92:181345

TITLE: Ring-opening reactions of spiro[2.4]hepta-4,6-diene and spiro[4.4]nona-1,3-diene with Co<sub>2</sub>(CO)<sub>8</sub>; a facile access to dicarbonyl- $\eta$ 5-vinylcyclopentadienylcobalt

AUTHOR(S): Eilbracht, Peter; Dahler, Peter; **Tiedtke, Gerhard**

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Tech. Hochsch. Darmstadt, Darmstadt, D-6100, Fed. Rep. Ger.

SOURCE: Journal of Organometallic Chemistry (1980), 185(2), C25-C28

CODEN: JORCAI; ISSN: 0022-328X

DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI For diagram(s), see printed CA Issue.  
AB Spiro[2.4]hepta-4,6-diene and spiro[4.4]nona-1,3-diene both react with Co<sub>2</sub>(CO)<sub>8</sub>, to give substituted dicarbonyl-η<sup>5</sup>-cyclopentadienylcobalt complexes (e.g. I, II, R = Et, vinyl) by disproportionation, coupling, or recyclization of the ring-opened intermediates.

L5 ANSWER 21 OF 24 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
ACCESSION NUMBER: 1979-H9884B [38] WPIDS  
TITLE: Cartridge for separate ingredients - has cup-shaped main piston containing one ingredient and auxiliary piston which is slidable to produce mixing of ingredients.  
DERWENT CLASS: Q34  
INVENTOR(S): EIDNER, K; GATZEN, P; TIEDTKE, G  
PATENT ASSIGNEE(S): (SCHI-N) SCHIEFERDECKER GMBH  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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DE 2809646	A	19790913	(197938)*		

PRIORITY APPLN. INFO: DE 1978-2809646 19780306

AN 1979-H9884B [38] WPIDS

AB DE 2809646 A UPAB: 19930901

The cartridge contains a number of separate ingredients, which after mixing together are force out of the cylindrical body by a piston and through a nozzle. The piston accommodates one of the ingredients and is cup-shaped, having a port in its crown which can be sealed.

An auxiliary piston inside the main piston forms a seal as it slides in it until it encounters the crown. Further movement of the auxiliary piston moves the main piston so as to extrude the mixture of the material initially inside the piston and that inside the main part of the cartridge.

L5 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 9

ACCESSION NUMBER: 1974:422513 CAPLUS

DOCUMENT NUMBER: 81:22513

TITLE: Regulatory and physicochemical properties of two isoenzymes of malate dehydrogenase from Schizosaccharomyces pombe

AUTHOR(S): Flury, Urs; Heer, Beat; Fiechter, Armin

CORPORATE SOURCE: Inst. Microbiol., Swiss Fed. Inst. Technol., Zurich, Switz.

SOURCE: Biochimica et Biophysica Acta (1974), 341(2), 465-83  
CODEN: BBACAQ; ISSN: 0006-3002

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In *S. pombe* 2 isoenzymes of malate dehydrogenase were found which differ markedly in their response to glucose. One isoenzyme is synthesized only in glucose-repressed cells and disappears during respiratory derepression. The synthesis of the other form starts after glucose has been reduced by assimilation to a concentration of .apprx.1.0 g/l. Fully derepressed cells contain exclusively this second isoenzymic form, which is rapidly inactivated after addition of glucose, probably by an enzymic-catalyzed chemical

modification. Inhibition of derepression by antibiotics indicates that this isoenzyme is synthesized by cytoplasmic and not mitochondrial ribosomes. Both isoenzymes were purified 600-fold with about the same yield to electrophoretic homogeneity. Three mg of pure enzyme were isolated from glucose-repressed as well as derepressed cells of this fission yeast. Thus, the intracellular concentration of the enzymes is about the

same in both physiol. states. The glucose-repressible isoenzyme is therefore 20-fold as active as the isoenzyme synthesized in the presence of glucose. Both isoenzymes possess a mol. weight of 60,000, are composed of 2 subunits identical in mol. weight and show the same sensitivity to inhibition by high concns. of oxaloacetate, corresponding to the cytoplasmic forms of malate dehydrogenase from mammalian cells. The apparent Michaelis consts., and the pH and temperature optima are similar for both forms. The isoenzymes differ in their isoelec. points and their amino acid compns.

L5 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 10  
 ACCESSION NUMBER: 1974:460667 CAPLUS  
 DOCUMENT NUMBER: 81:60667  
 TITLE: Isoenzyme pattern of malate dehydrogenase during  
 respiratory derepression in Schizosaccharomyces pombe  
 AUTHOR(S): Flury, Urs; Heer, Beat; Fiechter, Armin  
 CORPORATE SOURCE: Mikrobiol. Inst., Eidg. Tech. Hochsch., Zurich, Switz.  
 SOURCE: Archives of Microbiology (1974), 97(2), 141-8  
 CODEN: AMICCW; ISSN: 0302-8933  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB One isoenzyme of malate dehydrogenase with an isoelectric point of 6.4 was found in glucose-repressed cells of S. pombe. During respiratory derepression the activity of this isoenzyme decreased rapidly in vivo. In the course of this inactivation 2 new forms of malate dehydrogenase with isoelectric points of 6.0 and 5.7 appeared. These 2 enzymic forms disappeared 4 hr after the exhaustion of glucose; probably they are degradation products of the isoenzyme present in glucose-repressed cells. Fully derepressed cells of this fission yeast contained 1 isoenzyme of malate dehydrogenase with an isoelectric point of 5.3. The synthesis of this isoenzyme was initiated at glucose concns. <1.5 g/l.

L5 ANSWER 24 OF 24 KOSMET COPYRIGHT 2005 IFSCC on STN  
 ACCESSION NUMBER: 23728 KOSMET  
 FILE SEGMENT: scientific, technical  
 TITLE: KATHON CG - CURRENT STATUS OF USE IN COSMETICS  
 KATHON CG - AKTUELLER STAND BEIM EINSATZ IN KOSMETIKA  
 AUTHOR: TIEDTKE G (ROHM AND HAAS EUROPEAN OPERATIONS, IN  
 DER KRON 4, 60489 FRANKFURT, GERMANY)  
 SOURCE: SOFW JOURNAL, 125 (6), 30-32  
 DOCUMENT TYPE: General review  
 LANGUAGE: German  
 AN 23728 KOSMET FS scientific, technical

=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	157.45	157.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-24.82	-24.82

STN INTERNATIONAL LOGOFF AT 14:27:30 ON 07 AUG 2005